Vitushkina, I.N.

18(6) PHASE I BOOK EXPLOITATION SOV/1798

Vsesoyuznoye soveshchaniye spektroskopistov-analitikov tsvetnoy metallurgii. 2d, Moscow, 1955

Materialy... (Papers Read at the Second All-Union Conference of Analytical Spectroscopists in Nonferrous Metallurgy) Moscow, Nauchno-tekhn. ob-vo tsvetnoy metallurgii, 1957. 128 p. 1,000 copies printed.

Sponsoring Agency: Nauchno-tekhnicheskoye obshchestvo tsvetnoy metallurgii.

Editorial Board: M.E. Britske, A.S. [illegible], N.I. Matveyev, V.V. [illegible], L.S. Filimonov; Tech. Ed.: [illegible]

PURPOSE: This book is intended for analytical chemists in the field of nonferrous metallurgy.

COVERAGE: This is a collection of papers dealing with the use of the spectroscopic method as practiced in the USSR for the quantitative determination of various elements in the field of nonferrous metallurgy. Experience gained at several important Soviet metallurgical plants is described. In addition to practical application of the method, a number of papers deal with problems in the production of standard samples. For a brief account of the state of affairs as of 1955 in this field in the USSR, see Table of Contents, first article. There are a few scattered references, both Soviet and non-Soviet.

12. [illegible], T.V. [Vsesoyuznyy alyuminiyevo-magniyevyy institut—All-Union Aluminum and Magnesium Institute, Leningrad]. Preparation of Standard Samples for the Spectroscopic Analysis of Light Metals .7

13. Spasskiy, A.G., A.V. [illegible], and A.A. [illegible] [Institut tsvetnykh metallov i zolota imeni Kalinina—Institute for Nonferrous Metals and Gold im. Kalinin, Moscow]. An Investigation of Methods of Casting Standard Samples for the Spectroscopic Analysis of Bronzes 80

14. Fishkova, E.L. [Podol'skiy zavod vtorichnykh tsvetnykh metallov—Podol'sk Secondary Nonferrous Metals Plant]. From the Work Practice of the Spectrographic Laboratory of the Podol'sk Secondary Nonferrous Metals Plant 90

15. Sorokina, V. I. [Khar'kovskiy zavod vtorichnykh tsvetnykh metallov—Khar'kov Secondary Nonferrous Metals Plant]. Determination of Antimony, Tin, Copper, and Zinc in Antimonial Lead With the ST-7 Stylometer 94

16. [illegible], B.Ye. [Khar'kov Secondary Nonferrous Metals Plant]. Work Done at the Plant Spectrographic Laboratory 96

17. Berlin, T.I. [Moskovskiy bronzo-latunnyy zavod—Moscow Bronze and Brass Plant]. Application of Spectroscopic Methods of Analysis at the Moscow Bronze and Brass Plant 98

18. [illegible], M.S. [Leningradskiy polimetallicheskiy kombinat—Leningrad Polymetallic Combine]. From the Work Practice of the Spectrographic Laboratory of the Lead Plant of the Leningrad Polymetallic Combine 101

19. [illegible], Z.P. [Novosibirskiy olovozavod—Novosibirsk Tin Plant]. Application of Spectroscopic Analysis at the Novosibirsk Tin Plant 105

20. [illegible], N.N. [Podol'skiy olovozavod—Podol'sk Tin Plant]. Work Practice of the Laboratory of the Podol'sk Tin Plant 107

21. Ginzburg, V.L., Ye.P. [illegible], Ye.Ye. [illegible], I.N. Vitushkina, and F. N. [illegible] [Noril'skiy gorno-metallurgicheskiy kombinat—Noril'sk Mining and Metallurgical Combine]. On the Accuracy of Photographic Methods of Spectroscopic Analysis in Preparing Calibration Curves by Various Methods 109

22. [illegible], S.B. ["Krasnyy Vyborzhets" Plant]. Quantitative Determination of Zinc in Chrome Bronze 12[illegible] 27

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Spectrum analysis of nickel using cast electrodes in spark discharges produced by the DG-1 generator. Fiz.sbor. no.4: 426-428 '58. (MIRA 12:5)

1. Noril'skiy gornometallurgicheskiy kombinat.
(Nickel--Spectra)

Vitushkina, I. N.

24(7) **PHASE I BOOK EXPLOITATION** SOV/1700

Lvov. Universitet

Materialy X Vsesoyuznogo soveshchaniya po spektroskopii, 1956. t. II: Atomnaya spektroskopiya (Materials of the 10th All-Union Conference on Spectroscopy, 1956. Vol 2: Atomic Spectroscopy) [Lvov] Izd-vo L'vovskogo univ., 1958. 568 p. (Series: Its: Fizicheskiy sbornik, vyp. 4(9)) 3,000 copies printed.

Additional Sponsoring Agency: Akademiya nauk SSSR. Komissiya po spektroskopii.

Editorial Board: G.S. Landsberg, Academician, (Resp. Ed.); B.S. Neporent, Doctor of Physical and Mathematical Sciences; I.L. Fabelinskiy, Doctor of Physical and Mathematical Sciences; V.A. Fabrikant, Doctor of Physical and Mathematical Sciences; S.M. Rayskiy, V.G. Koritskiy, Candidate of Technical Sciences; L.K. Klimovskaya, Candidate of Physical and Technical Sciences; V.S. Miliyanchuk Candidate of Physical and Mathematical Sciences; A.Ye. (Deceased), Doctor of Physical and Mathematical Sciences; Glauberman, Doctor of Physical and Mathematical Sciences; Ed.: S.L. Gazer; Tech. Ed.: T.V. Saranyuk.

PURPOSE: This book is intended for scientists and researchers in the field of spectroscopy, as well as for technical personnel using spectrum analysis in various industries.

COVERAGE: This volume contains 177 scientific and technical studies of atomic spectrography presented at the 10th All-Union Conference on Spectroscopy in 1956. The studies were carried out by members of scientific and technical institutes and include extensive bibliographies of Soviet and other sources. The studies cover many phases of spectroscopy: spectra of rare earths, electromagnetic radiation, physicochemical methods for controlling uranium production, physics and technology of gas discharge, optics and spectroscopy, abnormal dispersion in metal vapors, spectroscopy and the combustion theory, spectrum analysis of ores and minerals, photographic methods for quantitative spectrum analysis of metals and alloys, spectral determination of the hydrogen content of metals by means of isotopes, tables, and atlases of spectral lines, spark spectrographic analysis, statistical study of variation in the parameters of calibration curves, determination of traces of metals, spectrum analysis in metallurgy, thermochemistry in metallurgy, and principles and practice of spectrochemical analysis.

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Materials of the 10th All-Union Conference (Cont.) SOV/1700

Kuranov, A.A., and N.P. Ruksha. Spectral Method for the Analysis of Gold of High Purity by the Absolute Intensities of the Analytical Lines 421

Babintsev, B.D. Operating Experience of the Spectral Laboratory of the "Yuzhuralnikel'" Combine 422

Ginzburg, V.L. Spectrum Analysis of Cobalt 423

Vitushkina, I.N. Spectrum Analysis of Nickel With the Aid of Cast Electrodes Under Spark Conditions of the DG-1 Generator 426

Yevlashin, L.S., and Ye.V. Koptsova. Some Practical Methods for the Spectrum Analysis of Bronze Containing Tin 429

Azarov, L.G., and A.V. Khasina. Spectrum Analysis of Al - Mn, Al - Cn, and Al - Be Hardeners 432

Tarsov, N.Ya., Ye.Ya. Zatolokin, and Ye.A. Bozhko. Spectral Method for the Determination of Natrium and Calcium Content in BK Babbitt 434

Card 24/31

VITUSHKINA, I.N.; GINZBURG, V.L.

Spectrum analysis of nickel in a low-voltage spark using cast electrodes. Zav.lab.22 no.4:438-440 '56. (MIRA 9:7)

1.Noril'skiy gorno-metallurgicheskiy kombinat. (Nickel--Spectra)

VITUSHKINA, I. N.

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1718. **Accuracy of photographic methods of spectrographic analysis.** V. I. [illegible], E. I. Alekseenko, E. E. [illegible], [illegible] and E. M. Inoshina (Norilsk Mining Metall. Combine). Zavod. Lab., 1956, 22 (11), 1331-1341. From the results of many readings the use of a fixed calibration curve is found to give smaller errors than does the three-standard method.

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